Tracking Status

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Tracking Meeting

Mar 24th, 2004

Tracking Status

5.3.1 Status

- Release done - Useful for Production, Simulation and Analysis
- Production of dataset on farms: 150 million events, 15/42 datasets done and 2 in progress
- Known Problems
  - Memory leak in SiExpected if using multiple runs - patch available
  - 1st 30pb-1 of data can't be processed for J/H stream - will be fixed soon
  - Pull distributions for mass look worse(wider) than 4.8.4 though resolution is better
  - Memory consumption in Standalone: 1/1M crash rate - will be fixed soon

Work in progress

- Material and magnetic field calibration for mass measurements nearly ready
- B Physics group ramping up to investigate using primary vertexing - tools ready
- B Physics and top group investigating using stereo information
- B Physics and top group investigating using L00
- Improved resolution through t0 constraint in the COT - nearly ready
- More realistic COT efficiency - efficiency by SL and vs. distance from wire - studies look good
- Improved standalone performance - investigate whether hit marking kills efficiency

- Use variable width roads and isolation criteria in L00 pattern recognition
- Improved use of L00 alignment in MC - can't be aligned currently
- Silimap: a faster realistic material model of the detector
- Better Larry corrections to track parameters available - make easily available
- Next step in alignment - better structure for alignment and electrostatic and gravitational corrections